BRUHAT BENGALURU MAHANAGARA PALIKE

NAME OF THE WORK:
PROVIDING DRINKING WATER FACILITIES IN CHANDRAPPA BADAVANE AND SURROUNDING AREAS IN WARD NO 16 JALAHALLI.

Head of Account : **Est. Amt. Rs.40.00 Lakhs**

Sl. No.	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
1	Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. **(P.5/2.2 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	50mm Dia Main Lines								
	Chandrappa Badavane		lines						
	K.Anjanappa 1st main - Sharadamba Temple road till Muthyalamma Temple Jn		2	600.00			1200.00		
	2nd main - Raghavendra Sannidhi		2	200.00			400.00		
	3rd main - Raghavendra Sannidhi		2	210.00			420.00		
	9th main		2	245.00			490.00		
	3rd cross		2	160.00			320.00		
	4th cross		2	108.00			216.00		
	5th cross		2	118.00			236.00		
	Opp - B/w 4th & 5th cross		2	116.00			232.00		
	Total Length - mtrs		1	193.00			193.00		
	Total Qty						3707.00		
	Consider 50% Qty		1	3707.00	0.75	0.30	834.08		
	Basic Rate	220.00					1853.50	258.85	479782
	Adhoc % as per 2017-18 SR	24.20							
		244.20							
	Area Weightage @ 6%	14.65							
	Total Rate	258.85							
2	Earthwork excavation for foundation of buildings, **water supply**, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in hard soil** not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications. **(P.5/2.4 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	50mm Dia Main Lines - 2 lines each road		1	3707.00	0.30	0.60	667.26		
	32mm Dia Distribution Lines								
	Proposed Distribution Line 32mm Dia line - Each House Connection		463	1.50	0.30	0.60	125.11		
							792.37	332.98	263842
	Basic Rate	283.00							
	Adhoc % as per 2017-18 SR	31.13							
		314.13							
	Area Weightage @ 6%	18.85							
	Total Rate	332.98							
3	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Cement concrete road. **(P.264/37.40 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	30% Pipe length of Item no.2		1	1112.10	0.30	0.15	50.04	714.20	35742
	Basic Rate	607.00							

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Sl. No.	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
	Adhoc % as per 2017-18 SR	66.77							
		673.77							
	Area Weightage @ 6%	40.43							
	Total Rate	714.20							
4	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the **Asphalt surface road. (P.264/37.38 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	70% Pipe length of Item no.2		1	2594.90	0.30	0.15	116.77	400.04	46713
	Basic Rate	340.00							
	Adhoc % as per 2017-18 SR	37.40							
		377.40							
	Area Weightage @ 6%	22.64							
	Total Rate	400.04							
5	**Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). **- 50mm nominal OD pipes (P.97/13.87.6 2016-17 BLORE CIRCLE PWD SR)**							mtr	
		mtr	1	3707.00			3707.00	529.47	1962745
	Basic Rate	450.00							
	Adhoc % as per 2017-18 SR	49.50							
		499.50							
	Area Weightage @ 6%	29.97							
	Total Rate	529.47							
6	**Providing and fixing gun metal wheel valve** conforming to IS specification of approved make as per directions including all lead and lift etc., complete.- for 50mm dia **(P.94/13.79.6 2016-17 BLORE CIRCLE PWD SR)**							Nos	
		Nos	30				30	1694.30	50829
	Basic Rate	1440.00							
	Adhoc % as per 2017-18 SR	158.40							
		1598.40							
	Area Weightage @ 6%	95.90							
	Total Rate	1694.30							
7	**Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes** conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work) - **32mm nominal CD pipes (P.97/13.87.4 2016-17 BLORE CIRCLE PWD SR)**							mtr	
	Proposed Distribution Line 32mm Dia line - Each House Connection		463	2.10			973.09		
							973.09	252.97	246161
	Basic Rate	215.00							
	Adhoc % as per 2017-18 SR	23.65							
		238.65							
	Area Weightage @ 6%	14.32							
	Total Rate	252.97							
8	Providing and constructing **burnt brick masonry with approved quality of modular bricks of standard size of class designation 7.5Newton per sqmm (Machine moulded Wirecut bricks)** with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **(P.28/6.20 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	Chambers for Gate Valve Operation	30	4	0.45	0.23	0.30	3.73		
							3.73	12191.93	45476
	Basic Rate	10362.00							
	Adhoc % as per 2017-18 SR	1139.82							
		11501.82							
	Area Weightage @ 6%	690.11							

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Sl. No.	Description of Item	Unit	No	L	B	D	QTY	Rate	AMT
	Total Rate	12191.93							
9	Providing and fixing in position **Bib Cock of approved quality 25mm nominal bore - NP** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. **(Sl.No.620/Page-XXI 2016-17 BLORE CIRCLE PWD SR)**							Nos	
			1	463			463.375	252.97	117220
	Basic Rate	215.00							
	Adhoc % as per 2017-18 SR	23.65							
		238.65							
	Area Weightage @ 6%	14.32							
	Total Rate	252.97							
10	**Refilling available earth around pipe lines,** cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications. **(P.6/2.11 2016-17 BLORE CIRCLE PWD SR)**							Cum	
	Excavated trench portion		1	3707.00	0.30	0.50	556.05		
							556.05	89.42	49723
	Basic Rate	76.00							
	Adhoc % as per 2017-18 SR	8.36							
		84.36							
	Area Weightage @ 6%	5.06							
	Total Rate	89.42							
11	**KSRRB M100-4.1. Cost of Haulage** Excluding Loading and Unloading **KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip**, excluding time for haulage and return trip complete as per specifications. **Haulage Distance - 10km's PWD SR 2016-17 VIDE SL.NO.17.1 & 17.4 PAGE NO.134**							Cum	
	Quantity vide Item no.1						1853.50		
	50% Quantity vide Item no.2						396.19		249715.00
							Quantity = 2249.69	~~117.66~~ 111.00	~~264698~~
	Basic Rate	100.00							
	Adhoc % as per 2017-18 SR	11.00							
		111.00							
	Area Weightage @ 6%	6.66							
	Total Rate	117.66							3547949.00
									~~3562931~~
11	**Add KRIDL Charges @ 11%**								390274.00 ~~391922~~
12	**Add PMC Charges @ 1%**								35629
	Miscellaneous & Other								~~9517~~ 26148
								Total Rs.	4000000

CERTIFICATE:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on PW,P & IWTD B'luru SR 2016-17

Assistant Engineer
Ward-16
BBMP

Assistant Executive Engineer
Yeshwanthpur Sub-Division
BBMP

Executive Engineer
RRN Division
BBMP

ನಂ.: 129 ದಿನಾಂಕ: 20/2/2018

ರೂ. 4000000/- Forty Lakhs only

ಅಂದಾಜು ಪೈಟ್ಟಗೆ ಆಯವ್ಯಯಾಧೀನ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ
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TECHNICAL SANCTION

Rs: 40,00,000/- (Rs forty Lakhs only) is accorded under the head: P-1771 PW-15-16

By CE(R.R.N.) 492/17-18

Registered as CE (R.R.N) No: 122-123 subject to conditions contained in enclosed memo No: 492/17-18 Date: 20/2/18

TA, CE (R.R.N.)

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